BULLETIN

OF THE WORLD HEALTH ORGANIZATION

DE L'ORGANISATION MONDIALE DE LA SANTE

VOLUME 76
1998

THE SCIENTIFIC JOURNAL OF WHO • LA REVUE SCIENTIFIQUE DE L'OMS

WORLD HEALTH ORGANIZATION, GENEVA • ORGANISATION MONDIALE DE LA SANTE, GENEVE

CONTENTS

TABLE DES MATIÈRES

No. 1

Editorial Page

Retrospective — Rétrospective

La lutte contre le paludisme en Afrique tropicale — *Médecin-Colonel P.M. Bernard* 3
Commentary: Malaria control in the 1990s — *P.I. Trigg & A.V. Kondrachine* 11

Update — Le point

A flow diagram to facilitate selection of interventions and research for health care — *L. Irwig, M. Zwarenstein, A. Zwi, & I. Chalmers* 17

Research — Recherche

Efficacy and safety of liposomal amphotericin B (AmBisome) for visceral leishmaniasis in endemic developing countries — *J.D. Berman, R. Badaro, C.P. Thakur, K.M. Wasunna, K. Behbehani, R. Davidson, F. Kuzoe, L. Pang, K. Weerasuriya, & A.D.M. Bryceson* 25

Malaria in the African highlands: past, present and future — *S.W. Lindsay & W.J.M. Martens* 33

Epidemiology of tetanus in the Marches Region of Italy, 1992–95 — *E. Prospero, R. Appignanesi, M.M. D'Errico, & F. Carle* 47

Surveillance of acute flaccid paralysis in the Netherlands, 1992–94 — *P.M. Oostvogel, M.A.E. Conyn-van Spaendonck, R.A. Hirasing, & A.M. van Loon* 55

A single dose of live oral cholera vaccine CVD 103-HgR is safe and immunogenetic in HIV-infected and HIV-noninfected adults in Mali — *R.T. Perry, C.V. Plowe, B. Koumaré, F. Bougoudogo, K.L. Kotloff, G.A. Losonsky, S.S. Wasserman, & M.M. Levine* 63

Trends in low birth weight: a comparison of two birth cohorts separated by a 15-year interval in Ribeirao Preto, Brazil — *A.A.M. Silva, M.A. Barbieri, U.A. Gomes, & H. Bettiol* 73

Survey of BCG vaccination policy in Europe 1994–96 — *L. Trnka, D. Dankova, J. Zitova, L. Cimprichova, G.B. Migliori, L. Clancy, & J.P. Zellweger* 77

Outbreak of viral hepatitis B in a rural community in India linked to inadequately sterilized needles and syringes — *J. Singh, R. Bhatia, J.C. Gandhi, A.P. Kaswekar, S. Khare, S.B. Patel, V.B. Oza, D.C. Jain, & J. Sokhey* 85

Page

Point of view — Point de vue

Unsafe injections — *M. Kane* 99

WHO News and activities-Notes et activités OMS

Acute respiratory infections: the forgotten pandemic (corrigendum 317) 101

Infections respiratoires aiguës: une pandémie oubliée (corrigendum 317) 105

Directions to Contributors

No. 2

Retrospective — Rétrospective

A Controlled Study of the Influence of Segregation of Tuberculous Patients for One Year on the Attack Rate of Tuberculosis in a 5-Year Period in Close Family Contacts in South India — *S.R. Kamat, J.J.Y. Dawson, S. Devadatta, Wallace Fox, B. Janardhanam, S. Radhakrishna, C.V. Ramakrishnan, P.R. Somasundaram, H. Stott, & S. Velu* 109

Commentary: Tuberculosis therapy than and now — *D. Maher & P. Nunn* 125

Update — Le point

Research steps in the development and evaluation of public health interventions — *I. de Zoysa, J-P. Habicht, G. Pelto, & J. Martines* 127

Research — Recherche

Priority during a meningitis epidemic: vaccination or treatment? — *H. Veeken, K. Ritmeijer, & B. Hausman* 135

Measuring hunger in the Russian Federation using the Radimer/Cornell hunger scale — *K.J. Welch, N. Mock, & O. Netrebenko* 143

Prognostic scores for use in African meningococcal epidemics — *E.K. Ajayi-Obe, E. Lodi, A.S. Alkali, M. Galbati, C. Rooney, B. Mannoni, P. Grim, A. Nasidi, & I. Mohammed* 149

Renal dysfunction from cadmium contamination of irrigation water:dose — response analysis in a Chinese population — *S. Cai, L. Yue, T. Jin, & G. Nordberg* 153

Causes of childhood deaths in Bangladesh: results of a nationwide verbal autopsy study — *A.H. Baqui, R.E. Black, S. El-Arifeen, K. Hill, S.N. Mitra, & A. Al Sabir* 161

Bacterial contamination of the lacteal contents of feeding bottles in metropolitan São Paulo, Brazil — *T.B. Morais, M.B. Morais, & D.M. Sigulem* 173

Page

Estimation of the prevalence and causes of infertility in Western Siberia — *O.S. Philippov, A.A. Radionchenko, V.P. Bolotova, N.I. Voronovskaya, & T.V. Potemkina* 183

Approaches to control sexually transmitted diseases in Haiti, 1992–95 — *F.M-T. Behets, E. Génécé, M. Narcisse, B. Liautaud, M. Cohen, & G.A. Dallabetta* 189

Déterminants du recours aux soins dans la ville de Cotonou (Bénin) — *E. Gomes do Espirito Santo, B. Floury, & M. Cissé* 195

Haemoculture as a tool for diagnosing visceral leishmaniasis in HIV-negative and HIV-positive patients — *J. Dereure, F. Pratlong, J. Reynnes, D. Basset, P. Bastien, & J.-P. Dedet* 203

Reviews — Analyses

Selected gastrointestinal pathologies in tropical sub-Saharan Africa — *G.A. Balint* 207

WHO News and activities — Notes et activités OMS

Legionnaires' disease in Europe, 1996 213

La légionellose en Europe, 1996 215

No. 3

Retrospective — Rétrospective

Smallpox eradication in West and Central Africa — *William H. Foege, J.D. Millar, & D.A. Henderson* 219

Commentary: Smallpox eradication in West and Central Africa revisited — *W.H. Foege* 233

Update — Le point

WHO Global Oral Data Bank, 1986–96: an overview of oral health surveys at 12 years of age — *A. Nithila, D. Bourgeois, D.E. Barmes, & H. Murtomaa* 237

Memoranda — Mémorandums

Prevention and control of enterohaemorrhagic *Escherichia coli* (EHEC) infections: Memorandum from a WHO meeting — *A. Reilly on behalf of the WHO Consultation on Prevention and Control of Enterohaemorrhagic* Escherichia coli *(EHEC) Infections* 245

Research — Recherche

Packaged treatment for first-line care in cerebral malaria and meningitis — *T.R. Cullinan & C. Pieterick* 257

Page

Resurgence of vivax malaria in Henan Province, China — *A.C. Sleigh, Xi-Li Liu, S. Jackson, L. Peng, & Le-Yuan Shang* 265

Prescribing patterns among medical practitioners in Pune, India — *M.J. Kshirsagar, D. Langada, S. Patil, & P. Patki* 271

Reproductive tract infections, gynaecological morbidity and HIV seroprevalence among women in Mumbai, India — *L. Brabin, A. Gogate, S. Gogate, A. Karande, R. Khanna, N. Dollimore, K. de Koning, S. Nicholas, & C.A. Hart* 277

Cutaneous leishmaniasis in primary school children in the south-eastern Iranian city of Bam, 1994–95 — *I. Sharifi, A-R. Fekri, M-R. Aflatonian, A. Nadim, Y. Nikian, & A. Kamesipour* 289

Measurements and determinants of tuberculosis outcome in Karonga District, Malawi — *J.R. Glynn, D.K. Warndorff, P.E.M. Fine, M.M. Munthali, W. Sichone, & J.M. Pönnighaus* 295

Point of view — Point de vue

Evaluation and determinants of outcome of tuberculosis treatment — *D. Maher & P. Nunn* 307

Brief communication

Rapid culture of tubercle bacilli — *R. Vasanthakumari & K. Jagannath* 309

WHO News and activities — Notes et activités OMS

Cord blood banking 313

Banques de sang de cordon 315

Corrigendum 317

No. 4

Retrospective — Rétrospective

Replacement of intravenous therapy by oral rehydration solution in a large treatment centre for diarrhoea with dehydration — *A.R. Samadi, R. Islam, & M.I. Huq* 319

Commentary: Oral rehydration solution — *O. Fontaine* 325

Update — Le point

Use of time-series analysis in infectious disease surveillance — *R. Allard* 327

Page

Research — Recherche

Rehabilitation of the Expanded Programme on Immunization in Sudan following a poliomyelitis outbreak — *H.A. ElZein, M.E. Birmingham, Z.A. Karrar, A.A. Elhassan, & A. Omer* 335

Cost-effectiveness of oral cholera vaccine in a stable refugee population at risk for epidemic cholera and in a population with endemic cholera — *J. Murray, D.A. McFarland, & R.J. Waldman* 343

Comparison of AIK-C measles vaccine in infants at 6 months with Schwarz vaccine at 9 months: a randomized controlled trial in Ghana — *F.K. Nkrumah, M. Osei-Kwasi, S.K. Dunyo, K.A. Koram, & A. Afari* 353

Eradication of schistosomiasis in Guangxi, China. Part 1: Setting, strategies, operations, and outcomes, 1953–92 — *A. Sleigh, Xueming Li, S. jackson, & Kengling Huang* 361

Factors limiting the domestic density of *Triatoma infestans* in north-west Argentina: a longitudinal study — *M.C. Cercere, R.E. Gürtler, R. Chuit, & J.E. Cohen* 373

Chagas Disease Control Programme in Brazil: a study of the effectiveness of 13 years of intervention — *F.C. Costa, R.W.A. Vitor, C.M.F. Antunes, & M. Carneiro* 385

Standardisation de l'antibiogramme de *Neisseria meningitidis*. Détection des souches relativement résistantes à la penicilline — *P. Nicolas, J.-D. Cavallo, R. Fabre, & G. Martet* 393

Screening for sexually transmitted diseases in rural women in Papua New Guinea: are WHO therapeutic algorithms appropriate for case detection? — *M. Passey, C.S. Mgone, S. Lupiwa, S. Tiwara, T. Lupiwa, & M.P. Alpers* 401

Prevalence of caries and edentulousness among 65–75-year-olds in Europe — *D. Bourgeois, A. Nihtila, & A. Mersel* 413

Changes in premature deaths in Finland: successful long-term prevention of cardiovascular diseases — *P. Puska, E. Vartiainen, J. Tuomilehto, V. Salomaa, & A. Nissinen* 419

Terminology — Terminologie

Nomenclature of immunoglobulin A and other proteins of the mucosal immune system — *IUIS/WHO Subcommittee on IgA Nomenclature* 427

No. 5

Obituary — Notice nécrologique

Jonathan Mann

Retrospective — Rétrospective

Global surveillance and forecasting of AIDS — *J. Chin & J. Mann* 429

Commentary: HIV/AIDS in the 1990s and beyond — *B. Schwartlander & W. Sittitrai* 437

Page

Update — Le point

Sports and children: Consensus statement on organized sports for children — *FIMS/WHO Ad Hoc Committee on Sports and Children* 445

Research — Recherche

Tetanus toxoid immunization coverage among women in Zone 3 of Dhaka City: the challenge of reaching all women of reproductive age in urban Bangladesh — *H. Perry, R. Weierbach, I. Hossain, & R. Islam* 449

Estimating costs of programme services and products using information provided in standard financial statements — *L.B. Ellwein, R.D. Thulasiraj, A.R. Boulter, & S.P. Dhittal* 459

Use of sentinel lambs to survey the effect of an education programme on control of transmission of *Echinococcus granulosus* in South Powys, Wales — *S. Lloyd, T.M.H. Walters, & P.S. Craig* 469

Cost-effectiveness analysis of tuberculosis control policies in Ivanovo *Oblast*, Russian Federation — *G.B. Migliori, A.G. Khomenko, V.V. Punga, M. Ambrosetti, I. Danilova, L.N. Ribka, M. Grzemska, H. Sawert, M.C. Raviglione, & the Ivanovo Tuberculosis Project Study Group* 475

Knowledge, attitudes, and practices about kala-azar and its sandfly vector in rural communities of Nepal — *S. Koirala, S.C. Parija, P. Karki, & M.L. Das* 485

Suppressant effect of human or equine rabies immunoglobulins on the immunogenicity of post-exposure rabies vaccination under the 2-1-1 regimen: a field trial in Indonesia — *J. Lang, G.H. Simanjuntak, S. Soerjosembodo, C. Koesharyono, & the MAS054 Clinical Investigator Group* 491

Eradication of schistosomiasis in Guangxi, China. Part 2: Political economy, management strategy and costs, 1953–92 — *A. Sleigh, S. Jackson, X. Li, & K. Huang* 497

HIV epidemic in Punjab, India: time trends over a decade — *S. Sehgal* 509

Reviews — Analyses

Snake-bites: appraisal of the global situation — *J.-P. Chippaux* 515

Epidemiology of rotavirus diarrhoea in Africa: a review to assess the need for rotavirus immunization — *N.A. Cunliffe, P.E. Kilgore, J.S. Bresee, A.D. Steele, N. Luo, C.A. Hart, & R.I. Glass* 525

No. 6

Retrospect — Rétrospective

Emerging infectious diseases: Memorandum from a WHO meeting 539

Commentary: Emerging and other communicable diseases — *D. Heymann & J. Dzenowagis* 545

Page

Update — Le point

Les enfants et le sport: déclaration de consensus sur le sport de compétition pour les enfants — *Comité spécial FIMS/OMS sur les enfants et le sport* 549

Research — Recherche

Human African trypanosomiasis: a latex agglutination field test for quantifying IgM in cerebrospinal fluid — *V. Lejon, P. Büscher, N.H. Sema, E. Magnus, & N. Van Meirvenne* 553

Dépistage de la maladie du sommeil: efficacité comparée des équipes mobiles et des agents de santé communautaires — *C. Laveissière, A.H. Meda, F. Doua, & B. Sane* 559

Childhood immunization coverage in Zone 3 of Dhaka City: the challenge of reaching impoverished households in urban Bangladesh — *H. Perry, R. Weierbach, I. Hossain, & Rafiq-ul-Islam* 565

Efficacy of five annual single doses of diethylcarbamazine for treatment of lymphatic filariasis in Fiji — *J.U. Mataika, E. Kimura, J. Koroivueta, & M. Shimada* 575

Eradication of schistosomiasis in Guangxi, China. Part 3. Community diagnosis of the worst-affected areas and maintenance strategies for the future — *A. Sleigh, Xueming Li, S. Jackson, & Kengling Huang* 581

Too far, too little, too late: a community-based case – control study of maternal mortality in rural west Maharashtra, India — *B.R. Ganatra, K.J. Coyaji, & V.N. Rao* 591

Cartographie du trachome au Mali: résultats d'une enquête nationale — *J.F. Schémann, D. Sacko, A. Banou, S. Bamani, B. Boré, S. Coulibaly, & M. Ag El Mouchtahide* 599

Insecticide-treated nets and treatment service: a trial using public and private sector channels in rural United Republic of Tanzania — *N. Fraser-Hurt & E.O.K. Lyimo* 607

A reassessment of the cost-effectiveness of water and sanitation interventions in programmes for controlling childhood diarrhoea — *R.C.G. Varley, J. Tarvid, & D.N.W. Chao* 617

Noncommunicable disease management in resource-poor settings: a primary care model from rural South Africa — *R. Coleman, G. Gill, & D. Wilkinson* 633

Antibiotic resistance of nasopharyngeal isolates of *Streptococcus pneumoniae* from children in Lesotho — *M. Mthwalo, A. Wasas, R. Huebner, H.J. Koornhof, & K.P. Klugman* 641

Reviews — Analyses

An approach to the problems of diagnosing and treatment of adult smear-negative pulmonary tuberculosis in high-HIV-prevalence settings in sub-Saharan Africa — *A.D. Harries, D. Maher, & P. Nunn* 651

INDEXES

Subject index 663

Index des matières 667

Page

Author index — Index des auteurs 671

Abstracts of the articles in this volume are available at: http://www-pll.who.ch/programmes/pll/dsa/serials/bull.html

SUPPLEMENTS (1998)

No. 1 Interventions to improve antimalarial use — *M. Gomes & L. Pang*
No. 2 Global disease elimination and eradication as public health strategies — *R.A. Goodman, K.L. Foster, F.L. Trowbridge, & J.P. Figueora*